

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: William Thomas Carter Jr. et al.

Group Art Unit:

Serial No.:

Examiner:

Filed:

For AN APPARATUS FOR THE PRODUCTION OR
REFINING OF METALS, AND RELATED
PROCESSES

INFORMATION DISCLOSURE STATEMENT

- ☒ 1 **Pursuant to 37CFR 1.97(b)**
[within 3 months of national, non-CPA filing or prior to 1st Office Action] *no charge*
- ☐ 2 **Certification Pursuant to 37 CFR 1.97(c)(1)**
[before Final Office Action, Allowance, or other action closing prosecution] *no charge*
- ☐ 3 **Fee Payment Pursuant to 37 CFR 1.97(c)(2)**
[before Final Office Action, Allowance, or other action closing prosecution] *\$180.00*
- ☐ 4 **Certification & Fee Payment Pursuant to 37 CFR 1.97(d)**
[On or before issue fee payment] *\$180.00*

ATTN: BOX PATENT APPLICATION
Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

The following are submitted in the above application in compliance with 37 CFR 1.97 and 37 CFR 1.98:

- ☒ 5 A list of documents on form PTO-1449 or Substitute together with copies of each identified document and a translation thereof or a concise explanation of each non-English language document or a Search Report from an International Searching Authority for a patent application filed via the Patent Cooperation Treaty or document(s) cited in the application or the priority application.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231, on the date indicated below.

Date of Deposit_____
Type or Print Name_____
Signature

This paper is submitted in accordance with:

- ☒ 6 37 CFR 1.97(b): [within 3 months of national, non-CPA filing or prior to 1st Office Action]
- ☐ 7 37 CFR 1.97(c): [before Final Office Action, Allowance, or other action closing prosecution, whichever is earlier]; and
- ☐ 8 The required Certification made in item 11 below; or
- ☐ 9 The \$180.00 fee specified in 37 CFR 1.17(p) for submission of this Information Disclosure Statement is authorized in item 15 below.
- ☐ 10 37 CFR 1.97(d): [on or before issue fee payment]; and
- a) The required Certification is stated in item 11 below; and
- b) The \$180.00 fee specified in 37 CFR 1.17(p) for submission of this Information Disclosure Statement is authorized in item 14 below.
- ☐ 11 Certification
- ☐ 12 Each item of information contained in this Statement was first cited in any communication from a foreign patent office in a counterpart foreign patent application not more than three months prior to the filing of this Statement; or
- ☐ 13 No item contained in this Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing this document after making reasonable inquiry, no item of information contained in this Statement was known to any individual designated in 37 CFR 1.56(c) more than three (3) months prior to the filing date of this Statement.
- ☒ 14 Payment of all applicable fees:
- ☒ 15 Please charge all applicable fees associated with the submittal of this Information Disclosure Statement to Deposit Account No. 07-0868

An original and two (2) copies of this document are enclosed.

Respectfully submitted,

29 Dec 2003
Date

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CRD Patent Docket Rm 4A59
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FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE, PATENT AND TRADEMARK OFFICE (Modified)	ATTY. DOCKET NO.: RD-28158-1	APPLICATION NO.: _____
	INFORMATION DISCLOSURE STATEMENT BY APPLICANT	
(Use several sheets if necessary)	Filing Date:	Group:

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number								Reference Letter	Patent Issue Date OR US App. Pub. Date OR US Non-Published Application Filing Date	Name
	US	4	1	8	5	6	8	2	AA	1/29/1980	Ksendzyk et al
	US	4	8	3	8	3	4	0	AB	6/13/1989	Entrekin et al
	US	4	9	3	2	3	7	5	AC	6/26/1990	Harker
	US	4	9	3	6	6	3	5	AD	6/12/1990	Harker
	US	4	9	6	1	7	7	6	AE	10/9/1990	Harker
	US	5	1	6	0	5	3	2	AF	11/3/1992	Benz et al
	US	5	2	2	2	5	4	7	AG	6/29/1993	Harker
	US	5	2	6	3	6	8	9	AH	11/23/93	Menzies et al
	US	6	0	0	1	4	9	5	AI	12/14/1999	Bristow et al
	US	6	0	7	4	5	4	5	AJ	6/13/2000	Ginatta
	US	6	3	7	5	7	0	2	AK	4/23/2002	Knudsen et al

FOREIGN PATENT DOCUMENTS

Examiner	Reference							Translation			
Initial	Letter	Document Number						Date	Country	Yes	No

OTHER DOCUMENTS

Examiner Initial	AL	"Direct Electrochemical Reduction of Titanium Dioxide to Titanium in Molten Calcium Chloride", G. Z. Chen et al, Letters to Nature, Nature, Volume 407, September 21, 2000, pp. 361 – 364.
	AM	"Recycling of Superalloy Scrap Through Electro Slag Remelting", VV Satya Prasad et al, ISIJ International, Vol. 36, No. 12, 1996, pp. 1459-1464

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Form PTO-1449)

(CR-257)